What is claimed is:

1.   A method for a digital subscriber line device to process a dial string wherein the digital subscriber line device is coupled to a PSTN (public switched telephone network) and a VoIP (Voice-over-Internet Protocol) network, the method comprising:
    receiving a transmission by the digital subscriber line device;
    comparing a dial string of the transmission with phone numbers stored in a PSTN digit map and a VoIP digit map by a PSTN digit string processor and a VoIP digit string processor, respectively;
    routing the transmission to the PSTN network when a phone number corresponding to the transmission is found in the PSTN digit map; and
    routing the transmission to the VoIP network when a phone number corresponding to the transmission is found in the VoIP digit map.

2.   The method as claimed in claim 1, wherein the PSTN digit map is configured manually and stored in the digital subscriber line device.

3.   The method as claimed in claim 1, wherein the VoIP digit map is configured by a call agent and stored in the VoIP device.

4.   The method as claimed in claim 1, wherein the transmission is routed from a telephone to the digital subscriber line device.

1   5.   A digital subscriber line device comprising:

2   at least one first port coupled to a PSTN network;

3   a second port coupled to a VoIP network;

4   a PSTN digit map;

5   a VoIP digit map;

6   a   PSTN   digit   map   processor   for   comparing   a

7   transmission received by the digital subscriber

8   line device with phone numbers stored in the PSTN

9   digit   map,   wherein   when   a   phone   number

10   corresponds to the transmission is found in the

11   PSTN digit map, the PSTN digit map processor

12   routes   the   transmission   to   the   PSTN   network

13   through the first port; and

14   a VoIP digit map processor for comparing a transmission

15   received by the digital subscriber line device

16   with phone numbers stored in the VoIP digit map,

17   wherein when a phone number corresponds to the

18   transmission is found in the VoIP digit map, the

19   VoIP digit map processor routes the transmission

20   to the VoIP network through the second port.

1   6.   The digital subscriber line device as claimed in

2   claim 5, wherein the PSTN digit map is configured manually

3   and stored in the digital subscriber line device.

1   7.   The digital subscriber line device as claimed in

2   claim 5, wherein the VoIP digit map is configured by a call

3   agent and stored in the digital subscriber line device.

1   8.   The digital subscriber line device as claimed in
2   claim 5, wherein the dial-up transmission is routed from a
3   telephone to the digital subscriber line device.